

## CLAIMS:

1. A concrete veneer panel, the concrete veneer panel comprising:
  - a front surface having a pattern of simulated stone regions and simulated mortar regions with a half mortar region extending around the perimeter of the front surface of the concrete veneer panel;
  - a back mounting surface;
  - a side interconnection region;
  - a first side adjacent the side interconnection region;
  - a second side adjacent the side interconnection region;
  - a top and bottom tab region;
  - wherein the first side and second sides adjacent the side interconnection region have a combined length about equal to a length of the top and bottom tab regions.
2. The concrete veneer panel of claim 1 wherein the concrete veneer panel is formed of fiber reinforced concrete.
3. The concrete veneer panel of claim 1 wherein the panel has a thickness of about one half inch to about three quarters of an inch.
4. The concrete veneer panel of claim 1 wherein the panel has mirror symmetry.
5. The concrete veneer panel of claim 4 wherein the panel comprises twenty sides.

6. The concrete veneer panel of claim 4 wherein the panel comprises sixteen sides.
7. The concrete veneer panel of claim 1 wherein the pattern of stone regions comprises stone regions resembling cut stones.
8. The concrete veneer panel of claim 1 wherein the pattern of stone regions comprises stone regions resembling natural stones.
9. The concrete veneer panel of claim 1 wherein the concrete veneer panel has a size of about two feet by about six feet.
10. The concrete veneer panel of claim 1 and further comprising coloring on the stone regions to make the stone regions appear more realistic.
11. The concrete veneer panel of claim 1 and further comprising an integrated cast-in threaded insert for connecting the concrete veneer panel to a wall surface.
12. The concrete veneer panel of claim 1 wherein the length of the top and bottom tab is about one quarter of an inch less than the combined length of the first side and second sides adjacent the side interconnection region.
13. A concrete veneer panel comprising:
  - a front surface having a pattern of simulated stone regions and simulated mortar regions; and
  - a back surface for attaching the concrete veneer panel to a wall surface;

wherein the concrete veneer panel comprises a layer of fiber reinforced concrete having a thickness of between about 1/2 inch to about 3/4 inch.

14. The concrete veneer panel of claim 13 wherein the veneer panel is multi-sided and has mirror symmetry about a center axis.

15. The concrete veneer panel of claim 13 wherein the veneer panel further comprises a half mortar region extending around the perimeter of the front surface of the concrete veneer panel.

16. The concrete veneer panel of claim 13 wherein the concrete veneer panel further comprises an integrated cast in threaded insert for connecting the concrete veneer panel to the wall surface.

17. A pre-cast concrete veneer panel system, the concrete veneer panel system comprising:

- a first multi-sided concrete veneer panel having a surface comprising a pattern of simulated stone regions and simulated mortar regions with a half mortar region extending around the perimeter of the front surface of the concrete veneer panel;

- a second multi-sided concrete veneer panel having a surface comprising a pattern of simulated stone regions and simulated mortar regions with a half mortar region extending around a perimeter of the front surface of the second concrete veneer panel, wherein the pattern of simulated stone regions on the first concrete veneer panel is

different than the pattern of simulated stone regions on the second concrete veneer panel;

wherein the first and second multi-sided concrete veneer panels have an identical shape comprising:

two side connection regions which allow the first and second concrete veneer panels to interconnect horizontally; and

non-linear top and bottom surfaces.

18. The concrete veneer panel system of claim 17 wherein the non-linear top and bottom surfaces of the first and second panels comprise:

a first side adjacent the side interconnection region;

a second side adjacent the side interconnection region;

a top and bottom tab region;

wherein the first side and second sides adjacent the side interconnection region have a combined length about equal to a length of the top and bottom tab regions.

19. The concrete veneer panel system of claim 17 wherein the first and second concrete veneer panels have mirror symmetry about a center axis.

20. The concrete veneer panel system of claim 17 wherein the first and second concrete veneer panels are formed of fiber reinforced concrete.

21. The concrete veneer panel system of claim 20 wherein the wherein the first and second concrete veneer panels have a thickness of about one half inch to about three quarters of an inch.

22. The concrete veneer panel system of claim 17 wherein the first and second concrete veneer panels interconnect horizontally by rotating the second panel 180 degrees relative to the first panel.

23. The concrete veneer panel system of claim 18 wherein the length of the top and bottom tab is about on quarter of an inch less than the combined length of the first side and second sides adjacent the side interconnection region.

24. A concrete veneer panel system for creating a simulated stone wall, the veneer panel system comprising:

- a first row of concrete veneer panels comprising a plurality of concrete veneer panels horizontally connected at side-by-side connection regions, wherein the first row of concrete veneer panels has a non-linear top and bottom;

- a second row of concrete veneer panels comprising a plurality of concrete veneer panels horizontally connected at side-by-side connection regions, wherein the second row of concrete veneer panels has a non-linear top and bottom;

- wherein the non-linear bottom of the first row of concrete veneer panels vertically interconnects with the non-linear top of the second row of concrete veneer panels.

25. The concrete veneer panel system of claim 24 wherein the first row of concrete veneer panels is vertically interconnected with the second row of concrete veneer panels so that the panels in the first row are offset from the panels in the second row.

26. The concrete veneer panel system of claim 24 wherein the first row of concrete veneer panels is vertically interconnected with the second row of concrete veneer panels so that the panels in the first row are directly above the panels in the second row.

27. The concrete veneer panel system of claim 24 wherein the concrete veneer panels are formed of fiber reinforced concrete.

28. The concrete veneer panel system of claim 27 wherein the concrete veneer panels have a thickness of about one half inch to about three quarters of an inch.

29. The concrete veneer panel system of claim 24 wherein the panels horizontally connect at side-by-side connection regions by rotating a panel 180 degrees relative to the adjacent panel.

30. A concrete veneer panel system comprising:  
a first plurality of concrete veneer panels having a first pattern of simulated stones;  
a second plurality of concrete veneer panels having a second pattern of simulated stones, wherein the first and second concrete veneer panels have a same shape configured to allow the panels to interconnect horizontally and vertically;  
fastening means for attaching the first and second plurality of concrete veneer panels to a wall surface; and  
caulk for caulking a location of a joint created when one veneer panel is placed next to an adjacent veneer panel.

31. The concrete veneer panel system of claim 30 and further comprising a colorant for coloring the simulated stones to make the simulated stones appear more realistic.
32. The concrete veneer panel system of claim 30 wherein the fastening means comprises sheet rock screws.